



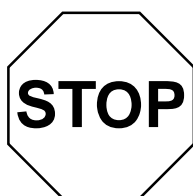
Important Safety Instructions

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury, including the following:

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on the product.
3. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this product near water (for example, near a bath tub, kitchen sink, or swimming pool).
5. Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.
6. Slots and openings in the cabinet and the back or bottom are provided for ventilation. To protect it from overheating, these openings must not be blocked by placing the product on the bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation where proper ventilation is not provided.
7. This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your dealer or local power company.
8. Do not allow anything to rest on the power cord. Do not locate this product where the cord will be abused by persons walking on it.
9. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock. Never spill liquid of any kind on the product.
10. To reduce the risk of electric shock, do not disassemble this product, but take it to a VTech authorized service facility. Opening or removing cabinet parts other than specified access doors may expose you to dangerous voltages or other risks. Incorrect reassembling can cause electric shock when the appliance is subsequently used.
11. Do not overload wall outlets and extension cords as this can result in the risk of fire or electric shock.
12. Unplug this product from the wall outlet and refer servicing to a VTech authorized service facility under the following conditions:
 - A. When the power supply cord or plug is damaged or frayed.
 - B. If liquid has been spilled into the product.
 - C. If the product has been exposed to rain or water.
 - D. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions, because improper adjustment of other controls may result in damage and will often require extensive work by a VTech authorized technician to restore the product to normal operation.
 - E. If the product has been dropped and the cabinet has been damaged.
 - F. If the product exhibits a distinct change in performance.
13. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
14. Do not use the telephone to report a gas leak in the vicinity of the leak.

Important Safety Instructions

SAVE THESE INSTRUCTIONS



If you have questions about this product, or if you're having difficulty with setup or operation, do not return your phone to the store. Call VTech Customer Support Center at:

1-800-595-9511

In Canada, call

1-800-267-7377

Before You Begin

Enhanced 2.4GHz Technology - *Dual Band* transmission combines the best of 2.4GHz and 900MHz technologies, providing enhanced performance over standard cordless telephones.

About Caller Identification (Caller ID)

This product has a Caller ID with Call Waiting feature that works with service from your local phone service provider.

Caller ID with Call Waiting lets you see who's calling before you answer the phone, even when you're on another call.

You may need to change your phone service to use this feature. Contact your phone service provider if:

- You have both Caller ID and Call Waiting, but as separate services (you may need combined service)
- You have only Caller ID service, or only Call Waiting service
- You don't subscribe to any Caller ID or Call Waiting services.

You can use this product with regular Caller ID service, and you can use this product's other features without subscribing to either Caller ID or combined Caller ID with Call Waiting service.

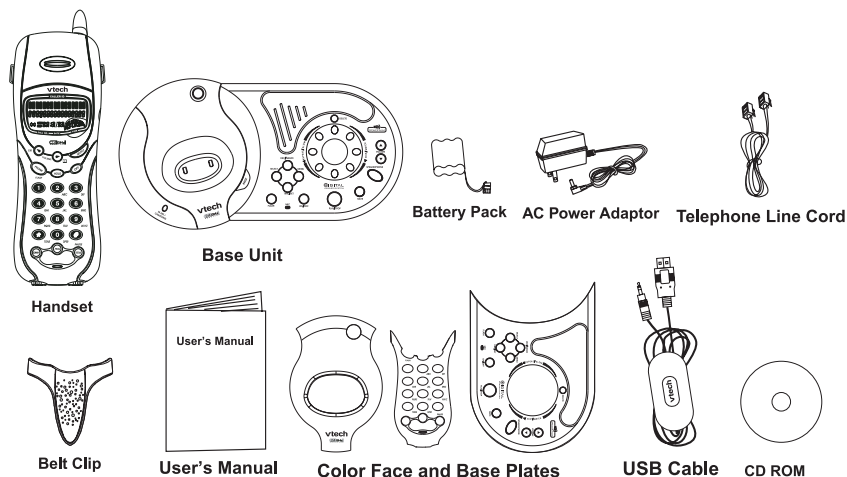
There are fees for Caller ID services, and they may not be available in all areas.

This product can provide information only if both you and the caller are in areas offering Caller ID service, and if both telephone companies use compatible equipment.

Parts Check List:

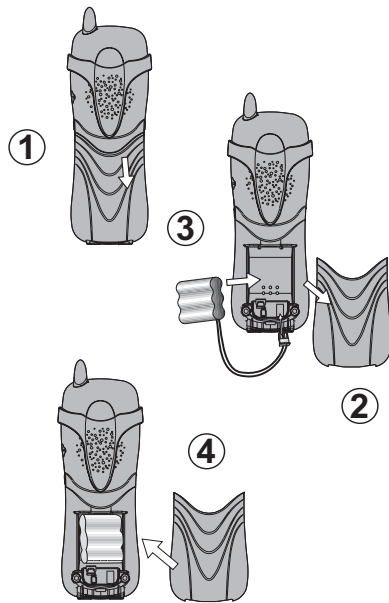
- | | |
|---------------------|-------------------------------|
| 1. Base Unit | 2. Handset |
| 3. AC Power Adapter | 4. Telephone Line Cord |
| 5. Battery Pack | 6. Belt Clip |
| 7. User's Manual | 8. Color Face and Base Plates |
| 9. USB Cable | 10. CD ROM |

To purchase replacement battery packs, call VTech Communications, Inc at 1-800-595-9511. In Canada, call VTech Telecommunications Ltd at 1-800-267-7377.



Setup

Installation of Battery Pack in Handset



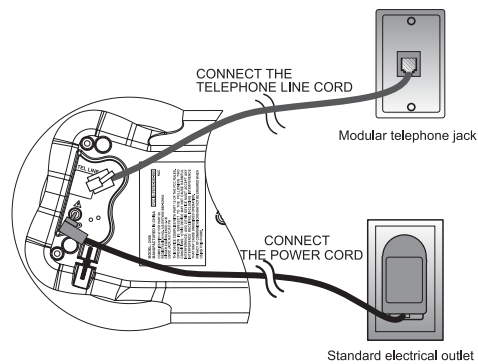
Follow the steps below:

1. Remove battery compartment cover by pressing on the indentation and sliding downward.
2. Align the two holes in the plug with the socket pins, then snap the plug into place.
3. Place the battery pack in the compartment, with the wires in the lower left corner, along the bottom of the pack. Angle the top half of the pack in first, under the 2 claws. Then snap the lower portion of the pack into place. Place the wires under the guide, located below the battery pack.
4. Replace cover by sliding it up into place.

Connecting Power to Base Unit

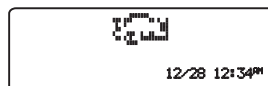
Choose a location for the Base near an electrical outlet and a telephone jack.

This phone requires a modular telephone jack and a standard electrical outlet (110v AC) not controlled by a wall switch. Plug the AC power adaptor into the electrical outlet and the DC connector to the jack on the bottom of the Base Unit.



Charge the Battery Pack

The Handset should be charged initially for 12 hours. Afterwards, a maintenance charge of at least 10 hours is sufficient. Maximum talk time on a full charge is approximately 5 hours. Maximum standby time is 5 days. Look for the charging bull animation on the Handset as it charges.



Setup

Check for Dial Tone

After the batteries are charged, connect the modular telephone cord between a live phone jack and the jack located on the bottom of the Base Unit. Pick up the Handset and press **PHONE**. You should hear a dial tone.

Tone/Pulse Selection

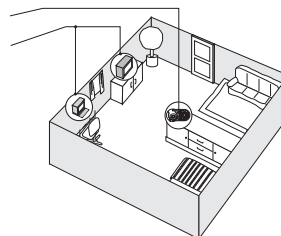
Your **gz 2456** is preset for **tone** dialing. See “Telephone Operation” for details.

⚠ CAUTION: Use only the VTech power supply provided with your telephone.

IMPORTANT:

FOR MAXIMUM PERFORMANCE OF YOUR CORDLESS TELEPHONE SYSTEM:

1. Choose a central location for your Base Unit.
2. Install your Base Unit and Extension Handsets away from electronic equipment, such as personal computers, television sets and microwave ovens.
3. In locations where there are multiple cordless telephones, separate base units as much as possible.
4. Install your telephone equipment away from heat sources and sunlight.
5. Avoid excessive moisture, dust or extreme cold.



Removable Face Plates

Your **gz 2456** comes with additional Handset and Base Plates of various colors. You can interchange these plates to suit your personal tastes and room decor.

Handset Face Plate

Carefully remove the Handset face plate by prying up from the notch at the bottom of the plate. Re-attach by snapping the upper portion of the plate into position first, then snapping the lower portion into position.



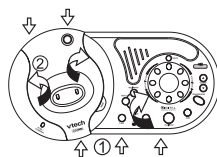
Remove



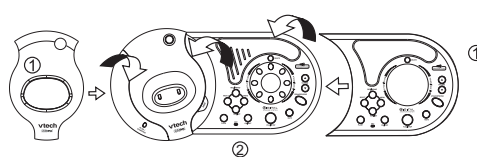
Re-attach

Base Face Plates

Carefully remove the two Base plates by prying up from the notches located at the bottom front and back edge of the plate. Align the new Base plates, making sure the antenna passes through the appropriate slot. Secure the plates by snapping it into position.





Remove




Re-attach

Handset Features

Volume keys

- While on a call, press  to raise or  to lower the volume. A double beep will sound when you reach maximum or minimum level.

PHONE/FLASH

- Press **PHONE/FLASH** then dial the number to make a call.
- Dial the number (use  to backspace and correct digits), then press **PHONE/FLASH** to make a call.
- While on a call, when you receive a Call Waiting alert, press **PHONE/FLASH** to switch between calls.
- Press **PHONE/FLASH** or **any key** except **OFF** to answer a call.

HOLD

- Press this key to put a call on hold, press again to release hold.

CHANNEL

- If you experience noise or interference while on a call, press **CHAN** to switch to clear channel.

SELECT

- Press to select a displayed function; press to confirm a programming operation.

OFF

- Press this key to end a call. The **OFF** key is also used to exit all modes of operation.

PROGRAM

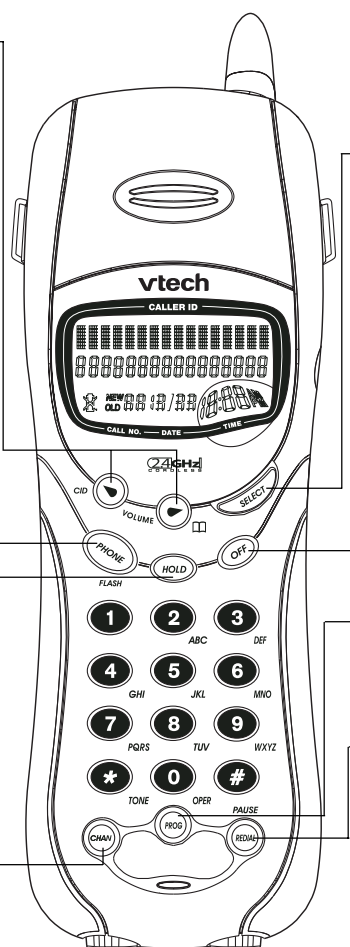
- This key is used to enter Programming mode.

REDIAL/PAUSE

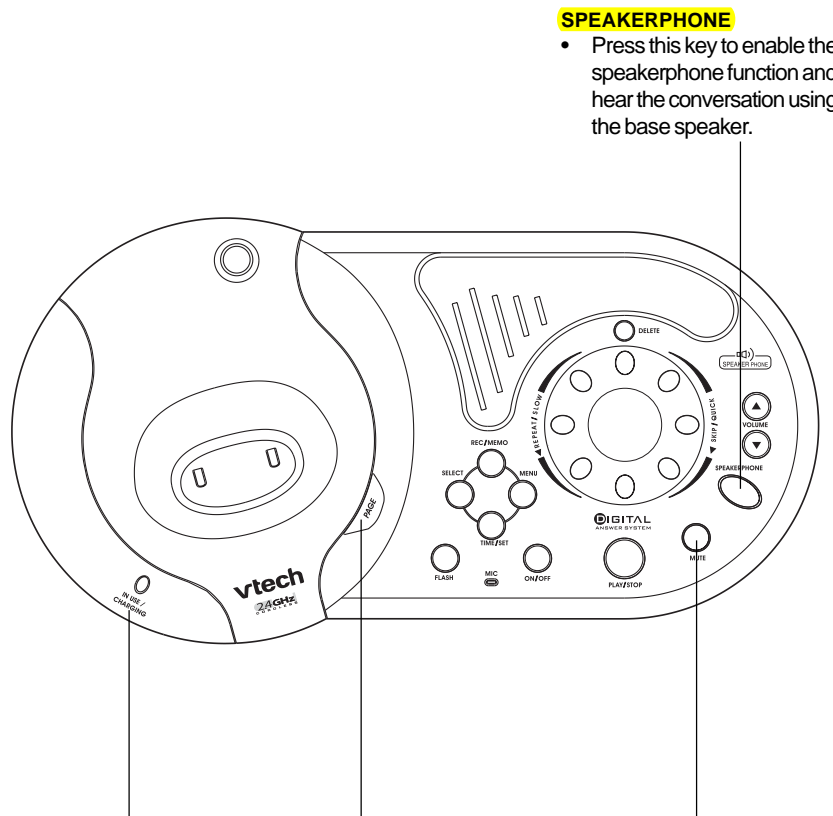
- Press **PHONE**, then press **REDIAL/PAUSE** to call last number dialed (up 32 digits)

-OR-

- Press **REDIAL/PAUSE**, then press **PHONE** to call last number dialed. In the idle mode, press **REDIAL/PAUSE** twice to delete the last number dialed.



Base Features



SPEAKERPHONE

- Press this key to enable the speakerphone function and hear the conversation using the base speaker.

IN USE/CHARGING Indicator

- Flashes when the Handset is in use. Flashes in cadence with the inbound ringing. Flashes rapidly when a call is on hold. On steady when the Handset is charging in the Base.

PAGE

- Press to page the Handset for up to 60 seconds. Press again to cancel, or press **OFF** on the Handset.

MUTE

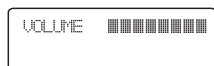
- Press to mute the speakerphone microphone so the person on the other end of line can not hear you, yet you still hear them.

Telephone Operation

Handset Ringer Style/Battery Save

You can select from four traditional Handset ringer styles, five popular pre-programmed polyphonic melodies, one user downloaded melody, or turn the ringer off and extend the battery life.

1. Make sure the Handset is off.
2. Press **PROG** to enter programming mode.
3. Press **◀** until the screen displays **RINGER** and the current setting.
4. Press **SELECT**. The current setting blinks, and you will hear a sample of the ring.
5. Press **▲** or **▶** to select the desired option. You will hear a sample of each ring.
6. Press **SELECT** to choose the displayed ringer setting. If you chose a Pre-programmed polyphonic melody or User Downloaded melody, the Handset will display, for example:



7. Press **▲** or **▶** to adjust the volume level.
 8. Press **SELECT** to confirm the volume setting. You'll hear a long confirmation beep.
- See **RINGER OPTIONS** on page 15 for details.

Set Date and Time

You can edit the date and the time by choosing the "DATE/TIME" mode.

1. Make sure the Handset is off.
2. Press **PROG** to enter programming mode.
3. Press **▶** until the screen displays **DATE/TIME**.
4. Press **SELECT**. The current month blinks.
5. Use **▲** or **▶** to adjust the month, then press **SELECT**.
6. Repeat step 5 to adjust the **day, hour, minute** and **AM** or **PM**.
7. You'll hear a long beep to confirm your settings.

NOTE: You can choose to set the time manually, or you can allow it to be set automatically with incoming Caller ID information.

Set the Dial Mode (Preset to TONE)

If you have touch tone service, the phone is ready to use as soon as the battery is charged. If you have dial pulse (rotary) service, you'll need to change the dial mode.

1. Make sure the Handset is off.
2. Press **PROG** to enter programming mode.
3. Press **▶** until the screen displays **DIAL MODE** , and the currently selected mode.
4. Press **SELECT**. The current setting blinks.
5. Press **▲** or **▶** . The screen displays **TONE** or **PULSE**.
6. Press **SELECT** to save the displayed mode.

Telephone Operation

Temporary Tone Dialing

If you have dial pulse (rotary) service, you can change from dial pulse to touch tone dialing during a call by pressing ***Tone**. This is useful if you need to send touch tone signals for access to telephone banking or long-distance services.

- 1 Dial the number.
- 2 Press ***Tone**. Buttons pressed after this send touch tone signals.
- 3 After you hang up, the phone automatically returns to dial pulse (rotary) service.

Operating Range

This cordless telephone operates within the maximum power allowed by the Federal Communications Commission (FCC). Even so, this Handset and Base can communicate over only a certain distance — which can vary with the locations of the Base and Handset, the weather, and the construction of your home or office. For best performance, keep the Base antenna fully upright.

If you receive a call while you are out of range, the Handset might not ring — or if it does ring, the call might not connect when you press **PHONE**. Move closer to the Base, then press **PHONE** to answer the call.

If you move out of range during a phone conversation, you might hear noise or interference. To improve reception, move closer to the Base.

If you move out of range without pressing OFF, your phone will be left “off the hook.” To hang up properly, walk back into range, periodically pressing **OFF**.

Display Screen Messages

Screen Displays:	When
** RINGING **	The Handset is in use.
CONNECTING...	The Base is paging the Handset.
PHONE ON	There is a call on hold.
** PAGING **	The battery needs to be recharged.
HOLD	The battery needs to be recharged.
BATTERY LOW	The Handset ringer is off.
NEEDS RECHARGING	The Handset is changing channel.
RINGER OFF	The battery needs to be recharged.
SCANNING	The handset ringer is off.
NEEDS RECHARGING	The handset is changing channel.
RINGER OFF	There is a call coming in.
SCANNING	The Handset is waiting for dial tone.

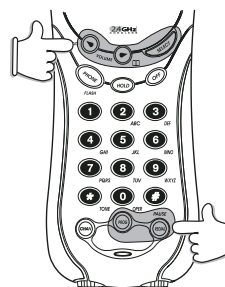
Telephone Directory

This cordless phone can store 50 telephone numbers with names, each up to 24 digits long. Entries are stored alphabetically. For consistency with Caller ID entries, you may wish to enter last names first.

Note: Press **OFF** at any time to exit directory.

Store a Number/Name in the Directory

- 1 Press **PROG**. The screen displays **DIRECTORY**.
- 2 Press **SELECT**. The screen displays **ENTER NAME**.
- 3 Using the chart below, enter up to 15 characters for the name you're storing with the number. Use **◀** to backspace and make corrections; use **▶** to advance and add a space.



Dial Key:	1	2	Presses			5	6
1	1						
2	A	B	C	2			
3	D	E	F	3			
4	G	H	I	4			
5	J	K	L	5			
6	M	N	O	6			
7	P	Q	R	S	7		
8	T	U	V	8			
9	W	X	Y	Z	9		
0	0						
*	*						
#	&	'	,	-	.		#

- 4 When you finish entering the name, press **SELECT** or **PROG**. The screen displays **ENTER NUMBER**.
- 5 Enter the telephone number. Use **◀** to backspace and make a correction. Press **REDIAL/PAUSE** to store a pause in the dialing sequence.
-OR-
Press **REDIAL/PAUSE** to display the last number (up to 24 digits) dialed from this phone.
- 6 Press **SELECT** or **PROG**. The screen displays **DISTINCT RING?** and the current setting.

Telephone Directory

- 7 Press or to change the setting. Choose **Y** (for Yes) if you wish the phone to alert you to calls from this number by changing to a distinctive ringing pattern after the first ring. Choose **N** (for NO) for a normal ringing pattern.
- 8 Press **SELECT** or **PROG** to confirm your selection. If you chose **Y**, the screen displays:

MELODY: WURY
9735550123

Note: If chose **N**, you can skip to Step 10.

- 9 The Melody name will blink. Press or to choose the desired Melody. Then press **SELECT** or **PROG** to confirm your selection. The screen displays:

ANIMATION? N
9735550123

- 10 Press or to change the setting. Choose **Y** (for Yes) if you wish the phone to show an animation when the incoming call matches this number. Choose **N** (for NO) for no animation. Your choices of animations are:

 9735550123	alternately	 9735550123
or		
 9735550123	alternately	 9735550123
 9735550123	alternately	 9735550123

Note: You can replace the three animations shown above. See the **Download Guide** insert for instructions how to download animation.





- 11 Press **SELECT** or **PROG** to confirm your selection. If you chose **Y**, the screen will display one of the 3 animations. Press or to change the setting, then press **SELECT** or **PROG** to confirm your desired option. You'll hear a long beep confirming your entry. When you select **Y** in step 7, a will be displayed with the directory entry.

Note: When memory is full the screen displays **MEMORY FULL**, an error tone sounds, and you will not be able to store a new number until you delete a stored number.



Edit a Number/Name Stored in the Directory

- 1 Press (). The screen displays **DIRECTORY**.






Telephone Directory

- 2 Press  or  to scroll alphabetically through entries stored in memory.
-OR-
Press the dial pad key for the first letter of the entry you want to edit.
- 3 When the screen displays the number you want to edit, press **SELECT**. Then press  or  until **EDIT** flashes.


EDIT DIAL ERASE
9735550123

- 4 Press **SELECT**. The screen displays the name and number. The flashing cursor appears at the end of the name. Use ,  and the dial pad keys to edit the name. Press **SELECT** to move on to edit the number. Press **SELECT** to move to edit the Distinctive Ring setting and Animation setting. Follow steps 7-11 in “Store a Number/Name in the Directory”.




Delete a Number/Name Stored in the Directory

- 1 Press . The screen displays **DIRECTORY**.
- 2 Press  or  to scroll alphabetically through entries stored in memory.
-OR-
Press the dial pad key for the first letter of the entry you want to delete.
- 3 When the screen displays the number you want to delete, press **SELECT**. Press  or  until **ERASE** is flashing.

EDIT DIAL ERASE
9735550123

- 4 Press **SELECT**. The screen displays **ERASE NO YES** and the number.
- 5 Press  until **YES** flashes.
- 6 Press **SELECT**. You'll hear a long beep confirming the deletion.

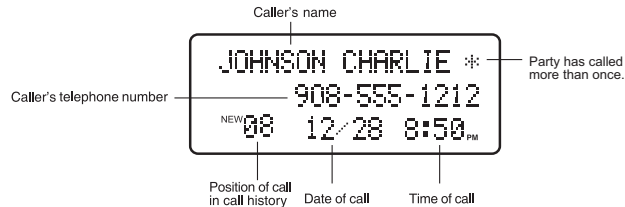
Dial a Number from the Directory

- 1 Press . The screen displays **DIRECTORY**.
- 2 Press  or  to scroll alphabetically through entries stored in memory.
-OR-
Press the dial pad key for the first letter of the entry you want to dial.
- 3 When the screen displays the number you want to dial, press **SELECT**. **DIAL** is flashing.

EDIT DIAL ERASE
9735550123

- 4 Press **SELECT**. The phone automatically dials the number.
-OR-
When the screen displays the number you want to dial, press **PHONE**.

Caller ID Operation



About Call History

This phone assigns each incoming call a number from 1 to 90. The most recent call will have the highest number. When the memory is full, the oldest call information is deleted to make room for new incoming call information.

For each call that comes in, the screen displays the following information between the first and second rings:

- Your caller's name (15 letters are sent by your telephone company).
- The caller's area code and telephone number.
- The time and date of the call.
- The repeat Tag (*) in the upper right corner, indicating the party has called more than once.

Note: When repeat Caller ID (CID) data arrives, the time and date information will overwrite the old information, and is displayed during CID review.

*Note: Press **OFF** at any time to exit call history.*

Review Call History

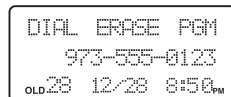
The screen displays call information for about 15 seconds after it has been received without pressing any key.

- 1 Press **▲** (CID) to view call history.
- 2 Use **▲** or **▼** to scroll through records in call history.

Delete Records from Call History

Delete a Specific Call

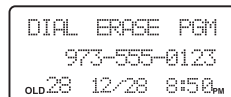
- 1 Locate the record you want to delete from call history.
- 2 Press **SELECT**. **ERASE** is flashing.



- 3 Press **SELECT**. The screen displays **ERASE NO YES ALL** and the phone number. **YES** is flashing.
- 4 Press **SELECT**. You'll hear a long beep confirming the deletion.



Delete All Calls

- 1 While viewing call history, press **SELECT**. **ERASE** is flashing.



- 2 Press **SELECT**. The screen displays **ERASE NO YES ALL** and the phone number.

Caller ID Operation

- 3 Press  until **ALL** flashes, then press **SELECT**. The screen displays **ERASE ALL**
NO YES.
- 4 Press  until **YES** flashes.
- 5 Press **SELECT**. You will hear a long beep confirming the deletion.

Dial a Displayed Number

1. Locate the record in call history you want to dial from call history.
2. If the phone number is not in the correct format, press the **#** key until it is in the desired dialing format.

For example, the phone number is 973-555-0123.

Continued pressing **#** will change the phone number as follows:


1-973-555-0123	11 digits
555-0123	7 digits
1-555-0123	8 digits
973-555-0123	10 digits

3. With the correct dialing format displayed, press **PHONE** to make the call.



-OR-

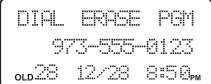
Press **SELECT**, then use  or  until **DIAL** is flashing.




Press **SELECT** to make the call.



Store a Call History Record in the Directory

1. Locate the record in call history you want to store in directory.
2. Press **SELECT**, then  or  until **PGM** flashes.



3. Press **SELECT**. Using the chart in page 10, enter up to 15 characters for the name you're storing with the number. Use  to backspace and make corrections; use  to advance and add a space.
4. Press **SELECT** to move to the next row. Use  to backspace and make corrections on the number.
5. Press **SELECT** to confirm, then follow the steps 7 – 11 in **"Store a Number /Name in the Directory"**, on pages 11.

Ringer Options

In addition to 4 traditional ringer options and ringer OFF, your **gz 2456** Handset has **6** popular pre-programmed melodies.

Traditional Ring Options

Ringer 1
Ringer 2
Ringer 3
Ringer 4
Ringer OFF

Pre-programmed Melodies:

"We Will Rock You" (WWRY)

By Brian May

© BEECHWOOD MUSIC CORPORATION

"James Bond Theme" (007)

By Monty Norman

© EMI UNART CATALOG INC.

"All the Small Things" (Blink182)

Words and Music by Tom DeLonge and Mark Hoppus

© EMI APRIL MUSIC INC.

"Lady Marmalade" (LadyMarm)

by Bob Crewe and Kenny Nolan

© JOBETE MUSIC CO., INC. and STONE DIAMOND MUSIC CORP.

"What a Girl Wants" (GirlWant)

Written by Shelly Peiken and Guy Roche

© EMI BLACKWOOD MUSIC INC.

"Gonna Fly Now (Theme from Rocky)" (Rocky)

By Carol Connors, Bill Conti and Ayn Robbins

© EMI UNART CATALOG, INC. and EMI U CATALOG, INC.

To select traditional and pre-programmed rings, see **Handset Ringer Style/Battery Save**, on page 8.

Note: You can also download your very own ring tone melody into the handset to replace the sixth pre-programmed melody above. See the **Download Guide** insert for instructions how to download a ringer.

Setting up your gz 2456 Digital Answering System

You **gz 2456** can answer incoming calls in 2 different ways:

Normal Answering Mode

- After your personal greeting (or the factory preset greeting, if you choose), the **gz 2456** will record your caller's message. For example: " You have reached 555-1234. We are unable to answer your call at this time, Please leave a message after the tone. "
- If you prefer to use the factory preset greeting, the caller will hear: " Hello, I'm unable to answer your call right now. Please leave your name, number and a message after the tone. "

Announce-Only Mode

- After your personal greeting (or the factory preset greeting, if you choose), the **gz 2456** will hang up. For example: " So rry, we cannot take your call. Please call back tomorrow between 9 am and 5pm."
- If you prefer to use the factory preset greeting, the caller will hear: " Hello, I'm unable to answer your call right now. Please call again. Thank yo u . "
- Upon power up, the Base Unit Message Window will alternate between **CL** (indication that the Day and Time must be set) and a digit representing the number of recorded messages .

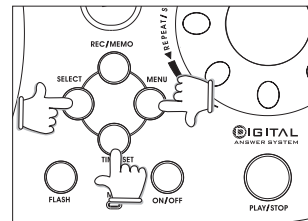
Answering System Programming

Note: During programming, the Base Unit Message Window displays " - - ". You may press **PLAY/STOP** to exit programming mode at any time. The **gz 2456** will automatically exit programming mode after approximately 20 seconds of inactivity.

- The **MENU** key guides you through the 6 programming functions:
 1. Record Outgoing Message
 2. Set Security Code
 3. Set Audible Message Alert
 4. Set Announce Only
 5. Set Base Ringer
 6. Set Number of Rings

Set Announce Only (preset to OFF)

- Press the **MENU** key 4 times until you hear: " **SET ANNOUNCE ONLY.** "
- Now press **SELECT**. The voice prompt will say either **OFF** or **ON**. Repeated presses of **SELECT** will alternate between ON and OFF. The Base Unit will display either **On** or **OF (off)** to reflect your choice.
- Choose **OFF** if you want your **gz 2456** to record your callers' messages (Normal Answering Mode).
- Choose **ON** if you only want your callers to hear your greeting without allowing them to leave you a message (Annouce-Only Mode).



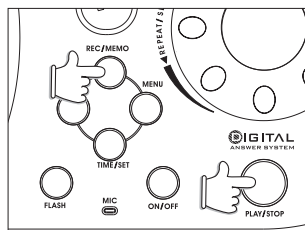
Setting up your gz 2456 Digital Answering System

- Once you've selected **OFF** (or **ON**), press **TIME/SET** to confirm your selection. The voice prompt will say: "**ANNOUNCE ONLY IS OFF** (or **ON**)". You can now program the other 5 functions.

Note - Please follow the **Record Outgoing Message** instructions below to record your Announce Only message.

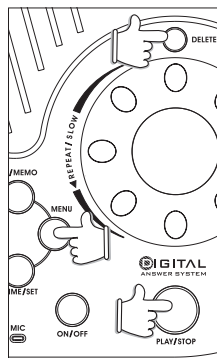
Record Outgoing Message

- Press **MENU** until you hear "**Record Outgoing Message**".
- Press **REC/MEMO**. The voice prompt will say "Now recording", following by a tone.
- Begin speaking after the tone, towards the front edge of the Base Unit. The Base Unit display becomes a timer as you record your outgoing message.
- Your outgoing message must be longer than 2 seconds.



Note: Your outgoing message can be up to 90 seconds.

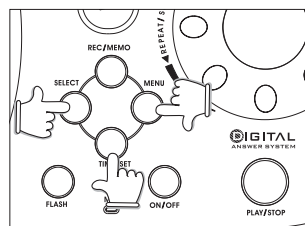
- When done, press **PLAY/STOP**. Your outgoing message will automatically be played back.
- If you would like to re-record your outgoing message, simply repeat the above steps.
- If you would like to return to the factory-set outgoing message.
- Press **MENU**. The voice prompt will say "Record outgoing message".
- Press **PLAY/STOP**. The outgoing message will begin playing.
- Press **DELETE** while your outgoing message is playing. The voice prompt will say "Outgoing message deleted".
- Press **MENU** to go to the next programming function.



Setting up your gz 2456 Digital Answering System

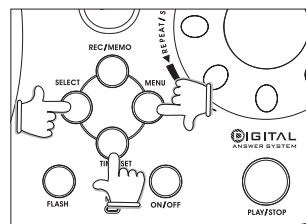
Set Security Code

- When you call your **gz 2456** from a remote location, a two-digital security code must be entered to gain access to functions such as message playback. The factory preset security code is 19. You can designate any two digital security code you wish, from 10 to 99.
- Press the **MENU** key until you hear "Set Security Code".
- Press **SELECT** to hear the current security code. Every time you press **SELECT**, the code increases by 1. Holding **SELECT** increases the security code in increments of 10. The Base Unit will display the security code as you program it.
- Press **TIME/SET** to confirm your choice. The voice prompt will say: "Security code is XX".
- Press **MENU** to go to the next programming function, or press **PLAY/STOP** to exit programming mode.



Set Audible Message Alert

- This feature provides a beep every 10 seconds at the Base Unit, alerting you to new, unplayed messages.
- Press **MENU** until you hear "Set audible message alert".
- Press **SELECT**. The voice prompt will say either **ON** or **OFF**.
- Select **ON** if you want your **gz 2456** to beep every 10 seconds to alert you to any new messages; select **OFF** if you don't. The Base Unit will display **On** or **OF** (off) as you make your selection.
- Press **TIME/SET** to confirm your selection. The voice prompt will say: "Audible message is on (or off)."
- Press **MENU** to advance to the next programming function or press **PLAY/STOP** to exit programming mode.



Setting up your gz 2456 Digital Answering System

Set Base Ringer

- Press **MENU** until you hear "Set base ringer".
- Press **SELECT** to toggle between **ON** and **OFF**. The Base Unit will display **On** or **OF** (off) as you make your selection.
- Press **TIME/SET** to confirm your choice. The voice prompt will say: "Base ringer is on (or off)".
- Press **MENU** to advance to the next programming function, or press **PLAY/STOP** to exit programming mode.

Note:

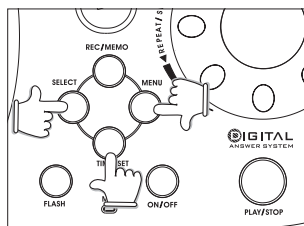
The Base Ringer setting does not affect the Handset ringer.

Set Number of Rings

- Your **gz 2456** can answer calls after 2 rings, 4 rings, 6 rings, or Toll Saver mode. In Toll Saver mode, your **gz 2456** will answer calls after 2 rings only if there are new, unplayed messages in its memory. Otherwise, it will answer after 4 rings. This feature helps you avoid long distance charges when checking for messages from a remote location. Therefore, using Toll Saver, if you call your **gz 2456**, and it doesn't pick up by the third ring, hang up. There aren't any new messages for you at this time.

To Set the Number of Rings

- Press **MENU** until you hear "Set number of rings".
- Press **SELECT** until you hear the desired setting (2, 4, 6, Toll Saver).
- Press **TIME/SET** to confirm your choice. The voice prompt will say: "Number of rings selected is 2 (4, 6, or Toll Saver)".
- Press **MENU** to advance to the next programming function, or press **PLAY/STOP** to exit programming mode.



Set Day and Time

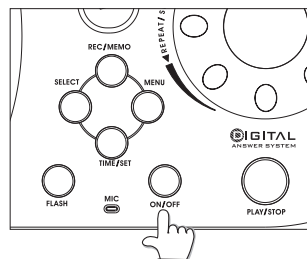
- When you first power-up your **gz 2456** (or after the Base Unit experiences a temporary loss of power), the Message Window will flash CL, until the Day and Time is programming.
- Press **MENU** until you hear "Set Day and Time".
- Press **SELECT** until you hear the correct day of the week.
- Press **TIME/SET** to confirm your selection. The voice prompt will announce the hour.
- Press **SELECT** until you hear the correct hour.
- Press **TIME/SET** to confirm your selection. The voice prompt will announce the minute.
- Press **SELECT** to adjust the minute setting. Holding **SELECT** increases the minute setting in increment of 10.
- Press **TIME/SET** to confirm. The voice prompt will repeat the current Day and Time, as programmed by you.
- Press **MENU** to advance to the next programming function, or press **PLAY/ STOP** to exit programming mode.

Operating your gz 2456 Answering System

ON/OFF Key

This key turns the answering device **ON** and **OFF**.

- As you press this key, the voice prompt will confirm your choice : " Answering Machine ON (or OFF)".
- The **ON/OFF** indicator glows when the answering device is set to **ON**. It is recommended that you leave your **gz 2456** answering device in the **ON** mode, unless you do not want it to answer incoming calls.
- This key has no effect on the cordless phone portion of your **gz 2456**.
- If the answering device is **OFF**, it can be turned on remotely by calling in and allowing the line to ring approximately 10 times. See **REMOTE OPERATION OF THE gz 2456**.

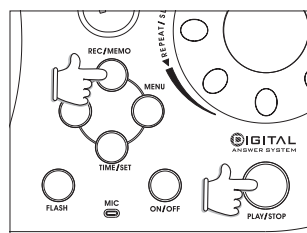


REC/MEMO Key

- This key is used to:
- Record your outgoing message. See **Setting up your gz 2456 Digital Answering System - Record Outgoing Message**.
- Record a **MEMO** at the Base Unit.

To record a MEMO

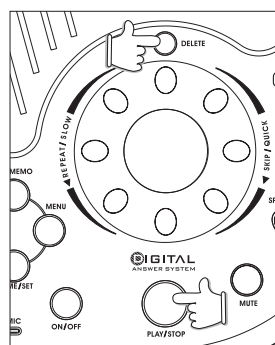
- Press **REC/MEMO**. The voice prompt will say " Now recording", followed by a beep.
- Begin speaking. Your **MEMO** can be up to 4 minutes.
- Press **PLAY/STOP** when finished.
- A memo must be longer than 2 seconds.



PLAY/STOP Key (Playing Messages)

- Press this key to begin message playback. When pressed, the voice prompt will tell you the number of new and old messages stored in memory. If there are any new (unplayed) messages, the **gz 2456** will play them and **STOP**. You can then press **PLAY/STOP** again to review old messages.
- Press this key to **STOP** message playback.

If record a memo when the real time clock hasn't been set, replaying that memo, the day/time stamp will be followed by "Power failure" announcement for a alerting user the stamp is not accuracy.



DELETE Key

- Press **DELETE** during playback of a message to delete that message.
- When the answering system is inactive, press and hold **DELETE** for more than 2 seconds to delete all old (previously heard) messages.

Operating your gz 2456 Answering System

REPEAT/SLOW

- During message playback, turn the shuttle to the left (counter-clockwise) briefly and then release to return to the beginning of the message.
- To slow down playback, turn the shuttle wheel to the left (counter-clockwise) and **hold** it in that position.

SKIP/QUICK

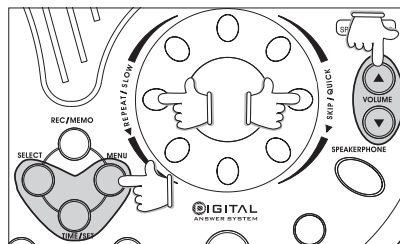
- During message playback, turn the shuttle wheel to the right (clockwise) briefly and then release to skip to the next message.
- To speed up playback, turn the shuttle to the right (clockwise) and **hold** it in that position.

VOLUME UP/DOWN ▲▼

- These keys control the loudness of the Base Unit speaker. At the lowest setting (1), you will not hear incoming messages. To screen calls as they come in, raise the volume level from the minimum setting (1). 8 is the loudest setting.

MENU, SELECT, TIME/SET Keys

- These keys are used for answering system setup. See "**Setting up your gz 2456 Digital Answering System**".



Total record time is approximately 15 minutes.

Incoming messages and memos can be up to 4 minutes in length.

Operating your gz 2456 Answering System

BASE UNIT MESSAGE WINDOW(LED)

- The large Base Unit display provides useful data on the status of your **gz 2456** answering device. Below are examples of the data:

The Base displays:	What it means:
A number (steady, in idle mode)	You have that amount of messages
0	You have no messages
CL flashing	The clock needs to be set
A	Answering device is in announce-only mode
F flashing	Memory is full
99 flashing	Recording time has exceeded 99 seconds
1-8	Volume level, as you're setting it.
--	Answering device is answering a call or in remote mode
-- flashing	Answering device is in programming mode

Remote Operation of the gz 2456

- From a remote location, you can access many of the **gz 2456** answering device functions, such as listening to messages, recording a memo, or changing your outgoing message.
 - To access your **gz 2456** remotely, you need to call from a different phone line, using a touch-tone phone.
 - Dial your phone number and wait for the **gz 2456** to answer.
 - While the **gz 2456** is playing the outgoing message, enter your 2-digit security code.
 - If the **gz 2456** is **OFF** when you call, let the phone ring at least 10 times. The answering system will still answer, and prompt you to enter your security code.
 - The factory-set security code is 19. To program a different code, see **Setting up your gz 2456 Digital Answering System - Set Security Code**.
 - Once the security code has been entered, you will hear a beep, confirming that the **gz 2456** has entered remote operation.
 - You will then hear the voice prompt announce the number of new (unplayed) messages.
 - Approximately 10 seconds after new messages are played (or after the voice prompt says: "You have no new messages" or "You have XX new messages"), you will hear the following menu:
 - "Press #2 to play all the messages"
 - "Press #5 to stop" (playback or recording)
 - "Press #4 to repeat the message"
 - "Press #6 to skip the message"
 - "Press #9 to delete the message"
 - "Press #1 for other functions"
- Upon pressing #1, you will hear the advanced menu:
- "Press #7 to review outgoing message"
 - "Press *7 to record outgoing message"
 - "Press *8 to record memo"
 - "Press #4 twice to repeat previous message"
 - "Press #0 to turn the system ON or OFF"
 - "Press #1 for other functions"

Remote Operation of the gz 2456

Pressing #1 at this point will return you to the first menu.

Note: Press *0 to exit remote operation mode. In addition, the **gz 2456** will exit remote operation mode if there is approximately 15 seconds of inactivity after the voice prompt.

Review of Remote Commands

- “ **Press #2 to play all the messages**” The system will announce how many new and old messages are in memory. If there are any new messages, press #2, the **gz 2456** will play the new messages only. Once all new messages are played, you can press #2 again to play all (old) messages.
- “**Press #5 to stop**” Press #5 during review of messages to stop playback; press #5 to end MEMO and Outgoing Message Recording.
- “**Press #4 to repeat the message**” During message review, press #4 to return to the beginning of the message being played. Press #4 twice to return to the previous message.
- “**Press #6 to skip the message**” During message review, press #6 to skip to the next message.
- “**Press #9 to delete the message**” During message review, press #9 to erase the message being played.
- “**Press *7 to record outgoing message**” To record a new outgoing message (replacing the previous outgoing message), press *7. When your outgoing message is completed, press #5, or hang up.
- “**Press #0 to turn system on or off**” As you press #0, the voice prompt will toggle between “ Answering machine on” and “Answering machine off”.
- “**Press #7 to review outgoing message**”
- “**Press *8 to record memo**” As you press *8, the voice prompt will announce “ Now Recording”. When your memo is completed, press #5, or hang up.

Your **gz 2456** Handset is equipped with a 2.5mm Headset Jack for use with an optional accessory Headset for hands-free operation. If you choose to use the Headset option, you must obtain an optional accessory Headset, which is compatible with the **gz 2456**.

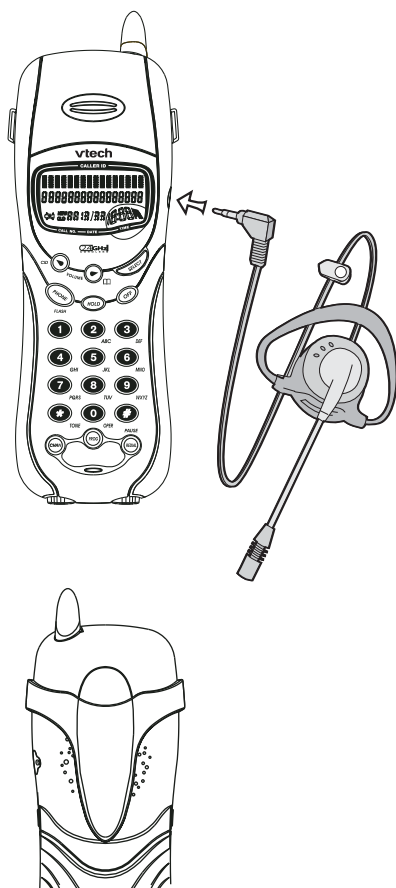
Headset Operation

To purchase a Headset, call VTech Customer Service at 1-800-595-9511.

Once you have a compatible 2.5mm Headset, locate the Headset Jack on the **gz 2456** Handset. Connect the plug on the Headset cord to the jack (under a small rubber flag) on the cordless Handset. The plug should fit securely. Do not force the connection.

NOTE :

Whenever a compatible Headset is connected to the cordless Handset, the microphone on the Handset will be muted. This is done to limit the effect of background noise.



Belt Clip

The **gz 2456** is also equipped with a detachable belt clip. Align the pins on the inside edge of the clip with the notches on the sides of the Handset. The belt clip should snap securely into place. Do not force the connection.

For Customer Service, call 1-800-595-9511. Please retain your receipt as your proof of purchase

IN CASE OF DIFFICULTY

If the phone doesn't work at all, check these items first:

- Make sure the AC adapter is plugged into an outlet not controlled by a wall switch.
- Make sure the telephone line cord is plugged firmly into the base unit and the modular jack.
- Make sure the Base antenna is fully upright.
- If the Handset does not beep when you press **PHONE**, the battery might need charging.
- Make sure the battery pack is installed correctly.
- If you have dial pulse (rotary) service on your phone line, make sure the dial mode is set to dial pulse (see Telephone Operation).
- Microwave appliances may cause interference with this phone. If you experience interference, move away from the microwave

If the above suggestions don't solve the problem, try re-initializing the Handset and Base:

- 1 Disconnect the power to the Base.
- 2 Remove the Handset battery pack.
- 3 Wait a few minutes.
- 4 Connect the power to the Base.
- 5 Insert the Handset battery pack.
- 6 Put the Handset in the Base to re-initialize.

If you hear a five-beep signal (sad-tone) when you try to use the handset:

- Out of range is indicated by a five-beep signal (sad-tone). A Two-beep signal during phone mode or program mode indicates low battery.
- If moving closer to the Base doesn't help, try following the directions above for re-initializing the Handset and Base.

If the phone does not ring when you receive a call:

- Make sure the Handset ringer is on.
- Make sure the telephone line cord is connected firmly to the Base and the telephone jack.
- Make sure the AC adapter is plugged firmly into an outlet not controlled by a wall switch.
- You might be too far from the Base; move closer.
- You might have too many extension phones on your telephone line to allow all of them to ring. Try unplugging some of them.

If you hear noise or interference when using the phone:

- Make sure the Base antenna is fully upright.
- You may be out of range. Move closer to the Base.
- Press and release **CHAN** to change to another of the 30 channels available. If noise is exceptionally loud, move closer to the Base before changing channels.
- Household appliances plugged into the same circuit as the Base can sometimes cause interference. Try moving the appliance or the Base to another outlet.
- Using the Handset near household appliances (microwaves, computers, television, stereos, etc.) can sometimes cause interference. Move away from appliances while using the Handset.
- The layout of your home or office might be limiting the operating range. Try moving the Base to another location, preferably on an upper floor.



IN CASE OF DIFFICULTY

- If the buttons don't work, try placing the handset in the Base for at least 15 seconds.

If you hear other calls while using your phone:

- Press **CHAN** to change to another channel.
- Disconnect the Base from the modular jack and plug in a corded telephone. If you still hear other calls, the problem is probably in your wiring or local service. Call your local telephone service company.

If you lose a call after changing channels:

You were probably almost out of range. Move closer to the Base before changing channels. Before placing another call, set the Handset in the Base for at least 15 seconds.

If you are unable to operate special telephone services or other equipment requiring touch tone signals:

If you have dial pulse (rotary) service, follow the directions under "Temporary Tone Dialing" in the TELEPHONE OPERATION section of this manual.

Your answering system is not recording messages

- Make sure the system is turned ON (the **ON/OFF** key is illuminated).
- Make sure **Announce Only** feature is set to **OFF**.

You cannot hear recorded messages

- Using the Base volume control, raise the volume to a comfortable listening level. As you adjust the volume, the Message Window will display the level (1-8).

CL is flashing in the Message Window

- You need to set the day and time. See **Set Day and Time** for details.



Maintenance

Taking Care Of Your Telephone

Your cordless telephone contains sophisticated electronic parts, so it must be treated with care.

Avoid rough treatment

Place the Handset down gently. Save the original packing materials to protect your telephone if you ever need to ship it.

Avoid water

Your telephone can be damaged if it gets wet. Do not use the Handset outdoors in the rain, or handle it with wet hands. Do not install your Base Unit near a sink, bathtub or shower.

Electrical storms

Electrical storms can sometimes cause power surges harmful to electronic equipment. For your own safety, use caution when using electric appliances during storms.

Cleaning your telephone

Your telephone has a durable plastic casing that should retain its luster for many years. Clean it only with a soft cloth slightly dampened with water or a mild soap. Do not use excess water or cleaning solvents of any kind.

Remember that electrical appliances can cause serious injury if used when you are wet or standing in water. If your Base Unit should fall into water, DO NOT RETRIEVE IT UNTIL YOU UNPLUG THE POWER CORD AND TELEPHONE LINE CORDS FROM THE WALL. Then pull the unit out by the unplugged cords.



Warranty Statement

What does this limited warranty cover?

- The manufacturer of this VTech product, VTech Communications, warrants to the holder of a valid proof of purchase ("Consumer" or "you") that the product and all accessories provided by VTech in the sales package ("Product") are free from material defects in material and workmanship, pursuant to the following terms and conditions, when installed and used normally and in accordance with operation instructions. This limited warranty extends only to the Consumer for Products purchased and used in the United States of America.

What will VTech Communications do if the Product is not free from material defects in materials and workmanship during the limited warranty period ("Materially Defective Product")?

- During the limited warranty period, VTech's authorized service representative will repair or replace at VTech's option, without charge, a Materially Defective Product. If we repair this product, we may use new or refurbished replacement parts. If we choose to replace this product, we may replace it with a new or refurbished product of the same or similar design. VTech will return repaired or replacement products to you in working condition. VTech will retain defective parts, modules, or equipment. Repair or replacement of Product, at VTech's option, is your exclusive remedy. You should expect the repair or replacement to take approximately 30 days.

How long is the limited warranty period?

- The limited warranty period for the product extends for ONE(1) YEAR from the date of purchase if we repair or replace a Materially Defective Product under the terms of this limited warranty. This limited warranty also applies to repaired or replacement Products for a period of either (a) 90 days from the date the repaired or replacement Product is shipped to you or (b) the time remaining on the original one-year warranty; whichever is longer.

What is not covered by this limited warranty?

This limited warranty does not cover

1. Product that has been subjected to misuse, accident, shipping or other physical damage, improper installation, abnormal operation or handling, neglect, inundation, fire, water or other liquid intrusion; or
2. Product that has been damaged due to repair, alteration or modification by anyone other than an authorized service representative of VTech; or
3. Product to the extent that the problem experienced is caused by signal conditions, network reliability or cable or antenna systems; or
4. Product to the extent that the problem is caused by use with non-VTech electrical accessories; or
5. Product whose warranty/quality stickers, Product serial numbers plates or electronic serial numbers have been removed, altered or rendered illegible; or
6. Product purchased, used, serviced, or shipped for repair from outside the United States, or used for commercial or institutional purposes (including but not limited to Products used for rental purposes); or
7. Product returned without valid proof of purchase (see 2 below); or
8. Charges for installation or set up, adjustment of customer controls, and installation or repair of systems outside the unit.



Warranty Statement

How do you get warranty service?

- To obtain warranty service in the United States of America, call 1-800-595-9511 for instructions regarding where to return the Product. Before calling for service, please check the user's manual. A check of the Product controls and features may save you a service call.
- Except as provided by applicable law, you assume the risk of loss or damage during transit and transportation and are responsible for delivery or handling charges incurred in the transport of Product(s) to the service location. VTech will return repaired or replaced product under this limited warranty to you, transportation, delivery or handling charges prepaid. VTech assumes no risk for damage or loss of the Product in transit.
- If the Product failure is not covered by this limited warranty, or proof of purchase does not meet the terms of this limited warranty, VTech will notify you and will request that you authorize the cost of repair and return shipping costs for the repair of Products that are not covered by this limited warranty.

What must you return with the Product to get warranty service?

1. Return the entire original package and contents including the Product to the VTech service location along with a description of the malfunction or difficulty;
2. Include "valid proof of purchase" (sales receipt) identifying the Product purchased (Product model) and the date of purchase or receipt; and
3. Provide your name, complete and correct mailing address, and telephone number.

Other Limitations

- This warranty is the complete and exclusive agreement between you and VTech. It supersedes all other written or oral communications related to this Product. VTech provides no other warranties for this product. The warranty exclusively describes all of VTech's responsibilities regarding the product.

There are no other express warranties. No one is authorized to make modifications to this limited warranty and you should not rely on any such modification.

State Law Rights: This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Limitations: Implied warranties, including those of fitness for a particular purpose and merchantability (an unwritten warranty that the product is fit for ordinary use) are limited to one year from date of purchase. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

- In no event shall VTech be liable for any indirect, special, incidental, consequential, or similar damages (including, but not limited to lost profits or revenue, inability to use the product, or other associated equipment, the cost of substitute equipment, and claims by third parties) resulting from the use of this product, some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.



FCC, ACTA and IC Regulations

This equipment complies with Parts 15 of the Federal Communications Commission (FCC) rules for the United States. It also complies with regulations RSS210 and CS-03 of Industry and Science Canada. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

A label is located on the underside of the Base Unit containing either the FCC registration number and Ringer Equivalence Number (REN) or the IC registration number and Load Number. You must, upon request, provide this information to your local telephone company.

This equipment is compatible with inductively coupled hearing aids.

Should you experience trouble with this telephone equipment, please contact:

VTech Communications, Inc.

CUSTOMER SERVICE, at 1-800-595-9511. In Canada, call VTech Telecommunications Canada Ltd., at 1-800-267-7377.

For repair/warranty information. The telephone company may ask you to disconnect this equipment from the line network until the problem has been corrected.

FCC Part 15

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The equipment has been tested and found to comply with part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet or on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Part 68 and ACTA

If this equipment was approved for connection to the telephone network prior to July 23, 2001, it complies with Part 68 of the Federal Communications Commission (FCC) rules. If the equipment was approved after that date, it complies with the Part 68 rules and with Technical Requirements for Connection of Equipment to the Telephone Network adopted by the Administrative Council for Terminal Attachments (ACTA). We are required to provide you with the following information.

FCC, ACTA and IC Regulations

1. Product identifier and REN information

The label on the back or bottom of this equipment contains, among other things, an identifier indicating product approval and the Ringer Equivalence Number (REN). This information must be provided to your local telephone company upon request. For equipment approved prior to July 23, 2001, the product identifier is preceded by the phrase "FCC Reg No." and the REN is listed separately. For equipment approved after that date, the product identifier is preceded by "US" and a colon (:), and the REN is encoded in the product identifier without a decimal point as the sixth and seventh characters following the colon. For example, the product identifier US:AAAEQ03T123XYZ would indicate an REN of 0.3. The REN is used to determine how many devices you may connect to your telephone line and still have them ring when you are called. In most, but not all areas, the sum of all RENs should be five (5.0) or less. You may want to contact your local telephone company for more information.

2. Connection and use with the nationwide telephone network

The plug and jack used to connect this equipment to the premises wiring and the telephone network must comply with the applicable Part 68 rules and technical requirements adopted by ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant. An RJ11 jack should normally be used for connecting to a single line and an RJ14 jack for two lines. See Installation Instructions in the user's manual. This equipment may not be used with Coin Telephone Lines or with Party Lines. If you have specially wired alarm dialing equipment connected to your telephone line, ensure the connection of this equipment does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.

3. Repair instructions

If this equipment is malfunctioning, it must be unplugged from the modular jack until the problem has been corrected. Repairs to this telephone equipment can only be made by the manufacturer or its authorized agents. For repair procedures, follow the instructions outlined under the Limited Warranty.

4. Rights of the telephone company

If this equipment is causing harm to the telephone network, the telephone company may temporarily discontinue your telephone service. The telephone company is required to notify you before interrupting service. If advance notice is not practical, you will be notified as soon as possible. You will be given the opportunity to correct the problem and the telephone company is required to inform you of your right to file a complaint with the FCC. Your telephone company may make changes in its facilities, equipment, operation, or procedures that could affect the proper functioning of this product. The telephone company is required to notify you if such changes are planned.

5. Hearing aid compatibility

If this product is equipped with a corded or cordless Handset, it is hearing aid compatible.

6. Programming/testing of emergency numbers

If this product has memory dialing locations, you may choose to store police, fire department and emergency medical service telephone numbers in these locations. If you do, please keep three things in mind:

- a. We recommend that you also write the telephone number on the directory card, so that you can still dial the emergency number manually if the memory dialing feature doesn't work.



FCC, ACTA and IC Regulations

- b. This feature is provided only as a convenience, and the manufacturer assumes no responsibility for customer reliance upon the memory feature.
- c. Testing the emergency telephone numbers you have stored is not recommended. However, if you do make a call to an emergency number:
 - You must remain on the line and briefly explain the reason for the call before hanging up.
 - Programming/testing of emergency numbers should be performed during off-peak hours, such as in the early morning or late evening, when the emergency services tend to be less busy.

IC (Industry Canada)

This telephone is registered for use in Canada.

The term "IC:" before the radio certification number only signifies that Industry Canada technical specifications were met.

Notice:

This equipment meets the applicable Industry Canada Terminal Equipment Technical Specifications. This is confirmed by the registration number. The abbreviation, IC, before the registration number signifies that registration was performed based on a Declaration of Conformity indicating that Industry Canada technical specifications were met. It does not imply that Industry Canada approved the equipment.

Notice:

The Ringer Equivalence Number (REN) for this terminal equipment is 0.1. The REN assigned to each terminal equipment provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed five.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. The customer should be aware that compliance with the above conditions may not prevent degradation of services in some situations.

Repairs to certified equipment should be made by an authorized Canadian maintenance facility designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

Caution :

Users should not attempt to make such connections themselves, but should contact the appropriate electrical inspection authority, or electrician, as appropriate.

Your **Cordless Phone** is designed to operate at the maximum power allowed by the FCC and IC. This means your Handset and Base Unit can communicate only over a certain distance - which will depend on the location of the Base Unit and Handset, weather, and the construction and layout of your home or office.

The RBRC® Seal

The RBRC® Seal



The **RBRC®** Seal on the nickel-cadmium battery contained in our product indicates that VTech Communications, Inc. is voluntarily participating in an industry program to collect and recycle these batteries at the end of their useful lives, when taken out of service within the United States and Canada.

The **RBRC®** program provides a convenient alternative to placing used nickel-cadmium batteries into the trash or municipal waste, which may be illegal in your area.

VTech's participation in **RBRC®** makes it easy for you to drop off the spent battery at local retailers participating in the **RBRC®** program or at authorized VTech product service centers. Please call **1-800-8-BATTERY™** for information on Ni-Cd battery recycling and disposal bans/restrictions in your area. VTech's involvement in this program is part of its commitment to protecting our environment and conserving natural resources.

RBRC® is a registered trademark of Rechargeable Battery Recycling Corporation.

Technical Specifications

FREQUENCY CONTROL

Crystal controlled PLL synthesizer

TRANSMIT FREQUENCY

Base: 2410.2 - 2418.9 MHz

Handset: 912.75 - 917.10 MHz

RECEIVE FREQUENCY

Base: 912.75 - 917.10 MHz

Handset: 2410.2 - 2418.9 MHz

CHANNELS

30 Channels

NOMINAL EFFECTIVE RANGE

Maximum power allowed by FCC and IC.
Actual operating range may vary according to environmental conditions at the time of use.

SIZE

Handset : 58mm x 38mm x 181mm

Base : 254.7mm x 135mm x 83.3mm

WEIGHT

Handset : 153 grams

Base : 416 grams

POWER REQUIREMENTS

Handset : 400mAh Ni-Cd Battery Pack

Base : 9V DC @ 500mA

MEMORY

Directory: 50 Memory locations;
24 digits per location.

CID : Alphanumeric Display;
90 Memory locations.

**SPECIFICATIONS ARE TYPICAL
AND MAY CHANGE WITHOUT
NOTICE.**



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DELETE

SPEAKERPHONE

VOLUME

SPEAKERPHONE

MUTE

DIGITAL
ANSWER SYSTEM

PLAY/STOP

ON/OFF

MIC

FLASH

TIME/SET

MENU

REC/MEMO

SELECT

REPEAT / SLOW

SKIP / QUICK

PAGE

vtech
2.4GHz

IN USE /
CHARGING



